

FIG.2

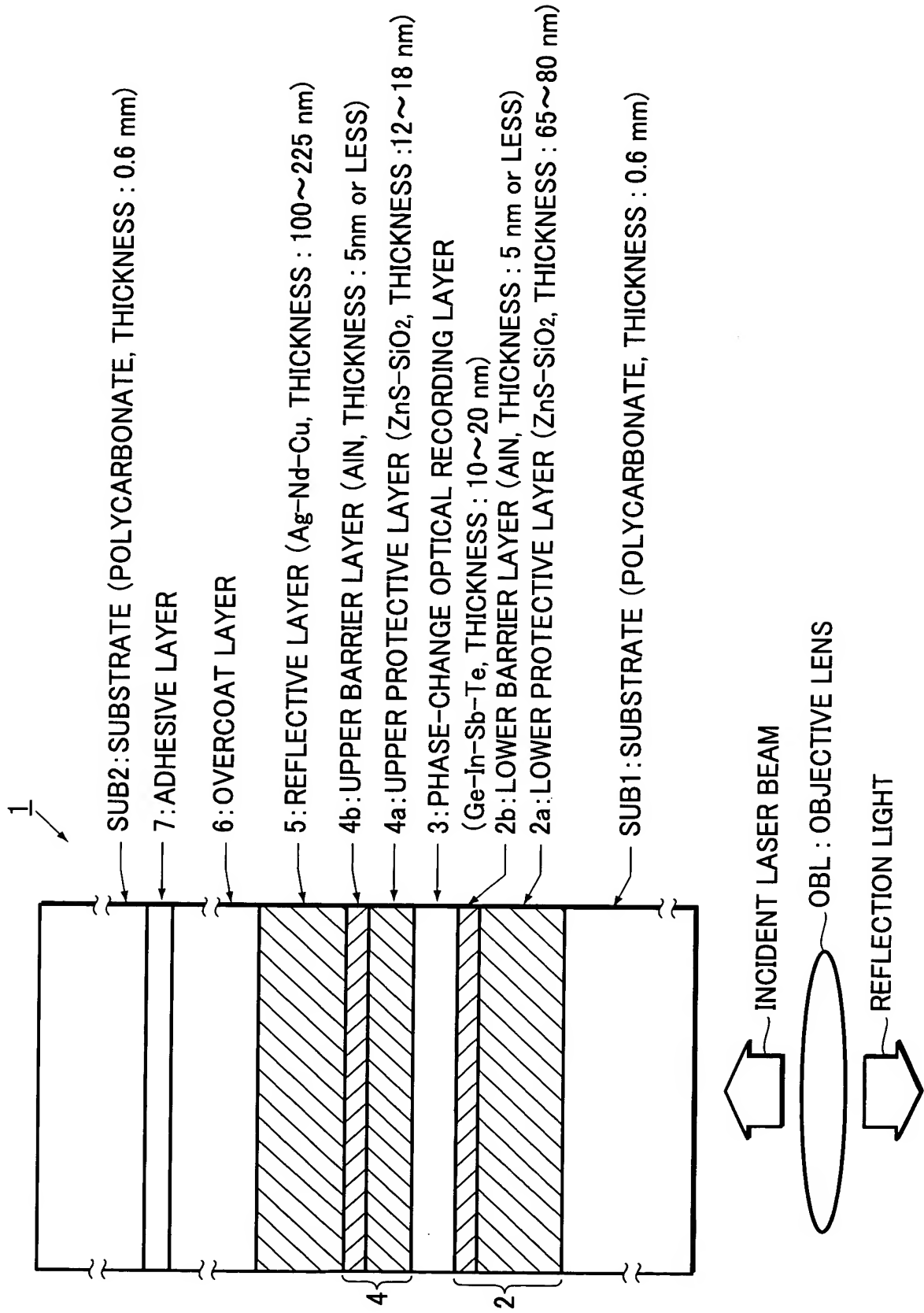


FIG.3

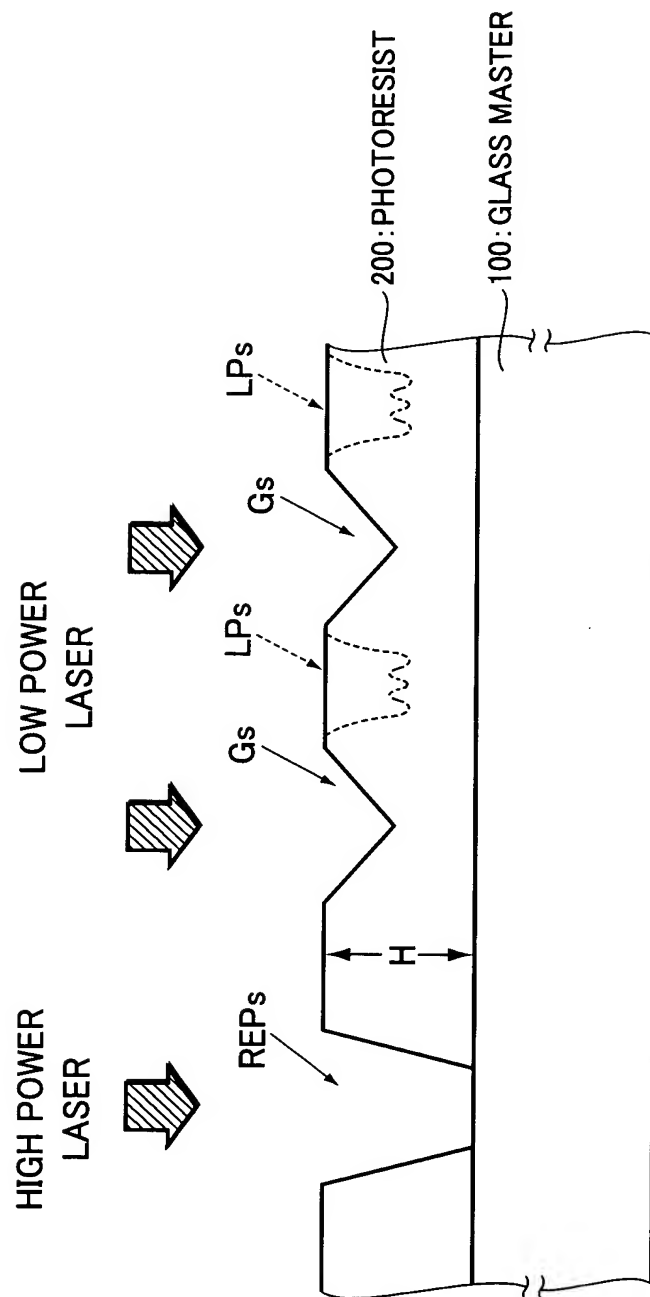


FIG.4 A

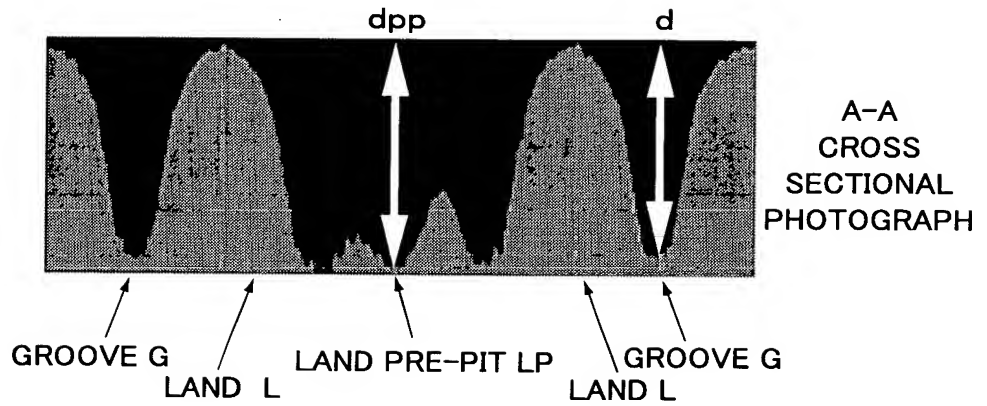


FIG.4 B

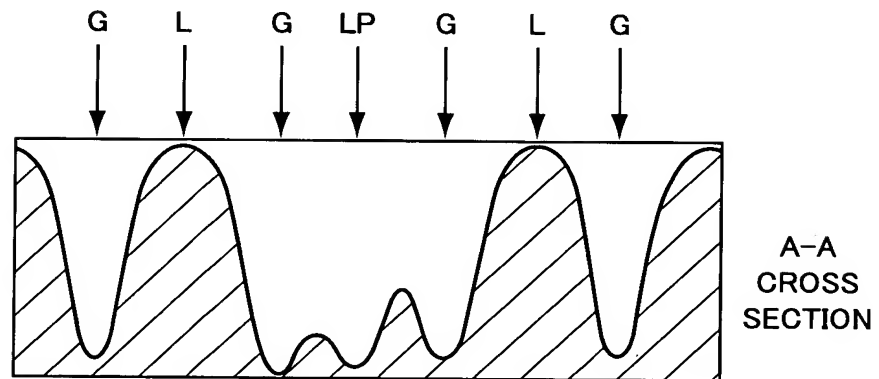


FIG.4 C

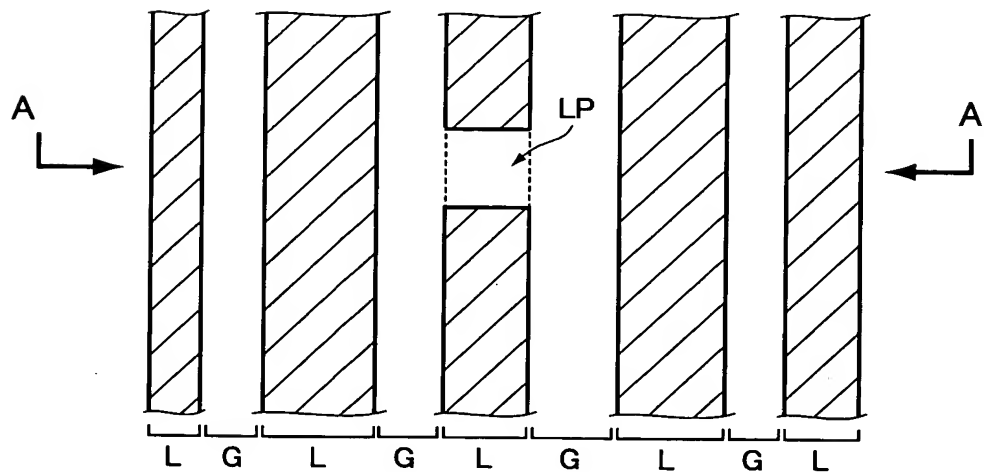


FIG.5

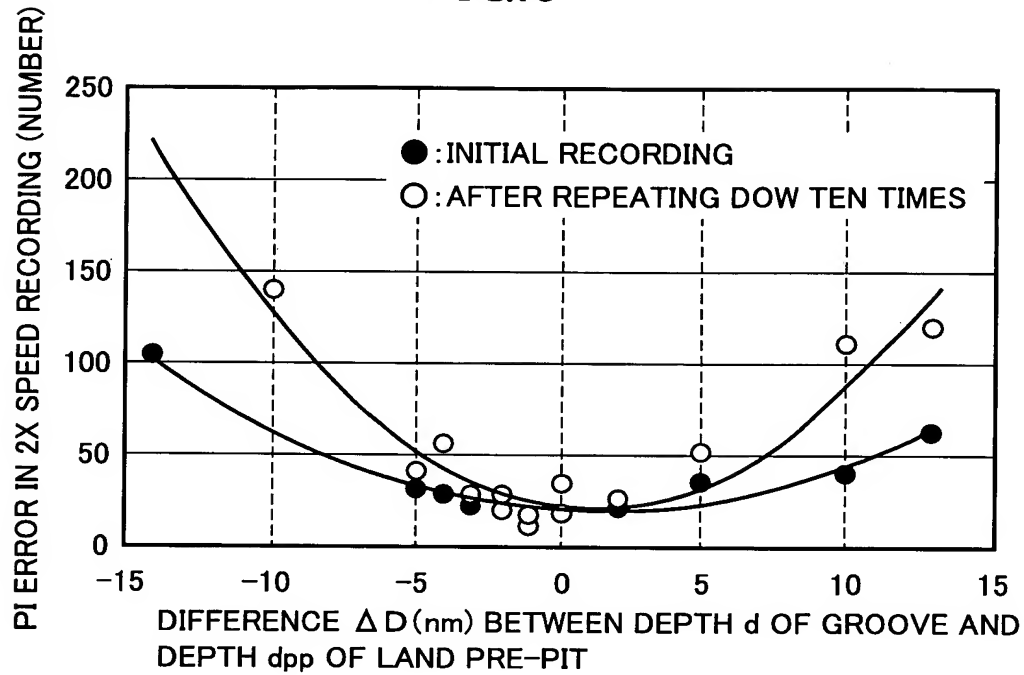
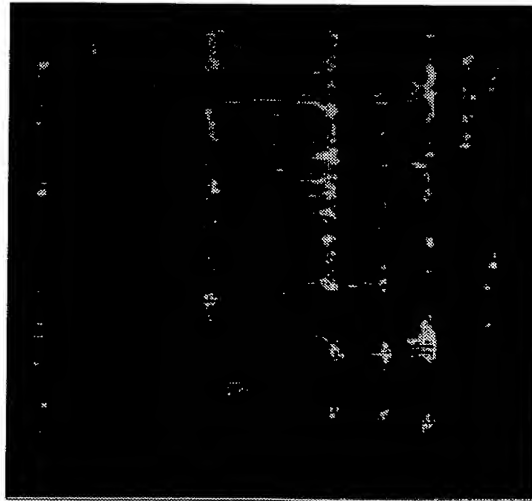


FIG.6

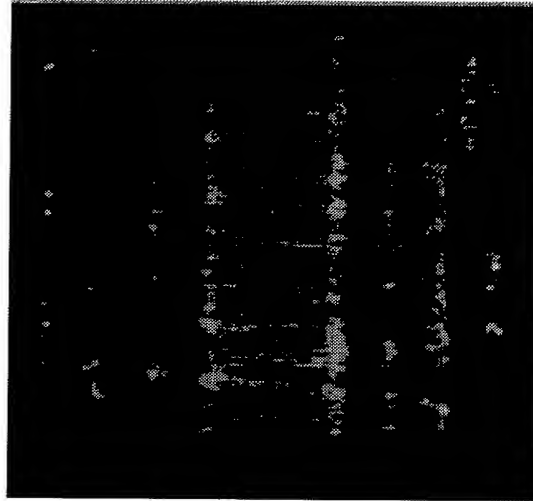
DISC SPECIMENS	$\Delta D = d - d_{pp}$ (nm)	INITIAL PI ERROR	PI ERROR AFTER REPEATING DOW TEN TIMES
No. 1	2	24	27
No. 2	5	34	51
No. 3	10	41	110
No. 4	-2	24	19
No. 5	-10	—	138
No. 6	13	63	120
No. 7	0	35	32
No. 8	-4	28	54
No. 9	-14	104	—
No. 10	0	15	17
No. 11	-1	9	12
No. 12	-3	20	27
No. 13	-2	28	27
No. 14	-1	15	18
No. 15	-5	31	42

FIG.7A



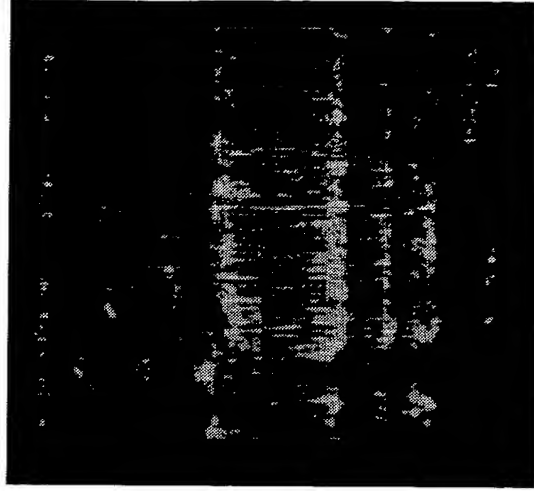
$dpp > d$

FIG.7 B



$dpp \approx d$

FIG.7 C



$dpp < d$

FIG.8 A

SYSTEM/SIGNAL CHARACTERISTICS			
ITEM	STANDARD VALUE		MEASURED VALUE
NWO	0.08 to 0.14		0.111
CNR for WOb	35 (dB)min		37.2 (dB)
LPPb	0.18 to 0.27		0.239
PPb	0.22 to 0.44		0.255
AR (%)	10 (%)min		1X SPEED (19.0%) 2X SPEED (18.8%)

FIG.8 B

RECORDING SIGNAL CHARACTERISTICS				
ITEM	STANDARD VALUE		MEASURED VALUE	
			1X SPEED	2X SPEED
JITTER	80 (%)max		7.67 (%)	6.8 (%)
MODULATION (I14/I14H)	0.60 min		0.679	0.749
MODULATION (I3/I14)	0.15 min			0.229
SIGNAL ASYMMETRY	-0.05 to 0.15		-0.035	0.012
REFLECTIVITY (%)	18 to 30 (%)		20.9 (%)	20.6 (%)
CNR for WOa	31 (dB)min		36 (dB)	34 (dB)
PI error/8ECC	280/8ECC max		5	14